1099-60-17 **Sylvain Corlay*** (`scorlay@bloomberg.net`). *Quantization techniques for pricing and calibration in stochastic volatility models.*

We describe numerical techniques for option pricing and calibration in stochastic volatility models. We first present the recently developed theory of functional quantization and we show that we can obtain efficient cubature formulas for a large class of models including some otherwise numerically intractable cases such as multifractional stochastic volatility models. Then, we present Markov projection techniques with B-splines to calibrate the local volatility component of SLV models. (Received November 17, 2013)